

Warning !!!
 Make sure the cable
 is big enough to handle
 the large current!

Wiring diagram for safety infrared beam device

What will happen if the infrared beam is obstructed?

- 1) When the gate is not moving:
 we cannot press a button to close the gate.
- 2) When the gate is closing:
 The gate will reverse to opening direction

Important! YOU MUST KNOW!

If the infrared beam fail,
how do we operate the gate?

By tapping the push button (indoor or remote contro
 4 times consecutively will override the safety beam
 and the gate will start to move.

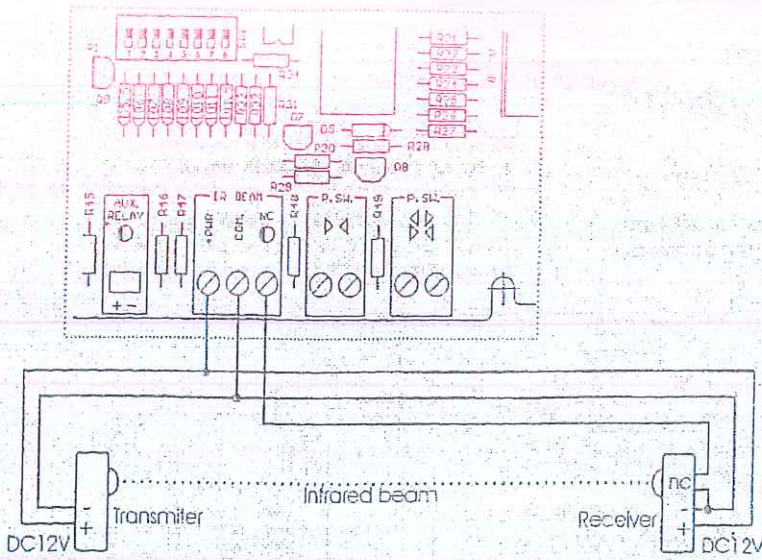
What will happen if the infrared beam is obstructed?

- 1) When the gate is not moving:
we cannot press a button to open or close the gate.
- 2) When the gate is opening:
The gate will stop if it is during the 1st 1.5 second, or the gate will continue to move if it is after 1.5 second.
- 3) When the gate is closing:
The gate will reverse to opening direction

Important! YOU MUST KNOW!

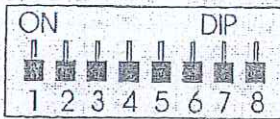
If the infrared beam fail,
how do we operate the gate?

By tapping the push button (indoor or remote control) 4 times consecutively will override the safety beam and the gate will start to move.



Wiring diagram for safety infrared beam device

Setting the DIP switches



- 1 Pedestrian opening control: When set to ON, during opening the gate, press the button and hold for at least 1.5 seconds, the gate will open but then stop at approx. 1m width
- 2 Emergency re-open with the 'CLOSE BUTTON': Normally, the 'CLOSE BUTTON' will allow close and stop function, if set to ON, open function is also enabled but only during the gate is not fully closed.

3 4 Aux. relay function 1: aux. relay is used to on/off a siren for panic alarm function. The relay is toggled on/off by channel B of the remote controller. The output will reset to off automatically after on for 3 minutes.

3 4 Aux. relay function 2: aux. relay is used to on/off a lamp as lighting function. The relay is on when it is dark (the photo sensor sense no light). It will reset to off 3 minutes after it is bright.

3 4 Aux. relay function 3: aux. relay is used to on/off a lamp as lighting function. The relay is toggled on/off by channel B of the remote controller. Also the relay is on when the gate is opened together when the photo sensor sense no light. (see switch 5)

3 4 Aux. relay function 4: aux. relay is used to on/off a lamp as lighting function. The relay is on when the gate is opened together when the photo sensor sense no light. (see also switch 5)

5 (sub-function for aux. relay function 3 & 4). If the relay is set to on by the gate open function, it should go off after the gate is closed. If this switch is set to ON, the relay will go off with a delay of 60 seconds after the gate is closed

6 Auto-close function be remotely enabled/disabled by a switch. (refer next page for the connection diagram of the switch)

7 & 8 Auto-close time setting

	no auto-close		30 second		60 second		120 second
7 8		7 8		7 8		7 8	

FORCE OPEN ALARM: if the gate is forced opened without the control from the circuit but the rotary counter sense a movement, the aux. relay will be ON to trigger a lamp or a siren. Also the LED and buzzer will be ON continuously. This alarm is reset automatically after 3 minutes.

NOTE 1 (LED and buzzer): the display pattern will tell you the present status:-

Gate is closed:		off all time
Gate is closed but encountering a power failure:		short beep at long interval
The gate is opening:		fast beeping
The gate is closing:		3 beeps at short interval
Gate is opened but not moving:		short beep at long interval
Gate is opened, auto-close is counting down:		3 beeps at long interval
Gate is opened, encountering a power failure:		long beeping